Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	0	("3514328"|"3695934"|"3839085"|"3848363"|"4080059"|"4175930"|"4392742"|"4402103"|"4684242"|"5044128"|"5074083"|"5433654"|"5612775"|"5795212"|"5813901"|"5931718"|"5957753"|"5971835"|"6171742"|"6206978"|"6221170"|"6302669"|"6348104"|"6398345"|"6663719")".PN"	US-PGPUB; USPAT; USOCR	ADJ	ON	2005/12/11 12:42
L2	0	("3514328"|"3695934"|"3839085"|"3848363"|"4080059"|"4175930"|"4392742"|"4402103"|"4684242"|"5044128"|"5074083"|"5433654"|"5612775"|"5795212"|"5813901"|"5931718"|"5957753"|"5971835"|"6171742"|"6206978"|"6221170"|"6302669"|"6348104"|"6398345"|"6663719")".PN"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/12/11 12:45
L3	0	("3514328"|"3695934"|"3839085"|"3848363"|"4080059"|"4175930"|"4392742"|"4402103"|"4684242"|"5044128"|"5074083"|"5433654"|"5612775"|"5795212"|"5813901"|"5931718"|"5957753"|"5971835"|"6171742"|"6206978"|"6221170"|"6302669"|"6348104"|"6398345"|"6663719")".PN."	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/12/11 12:45
L4	55	("3514328"|"3695934"|"3839085"|"3848363"|"4080059"|"4175930"|"4392742"|"4402103"|"4684242"|"5044128"|"5074083"|"5433654"|"5612775"|"5795212"|"5813901"|"5931718"|"5957753"|"5971835"|"6171742"|"6206978"|"6221170"|"6302669"|"6348104"|"6398345"|"6663719").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/12/11 12:46
L5	80	("2147420"|"2503438"|"2572265"|"2604771"|"2671331"|"2838954"|"3049025"|"3068966"|"3327507"|"3369663"|"3635318"|"4411664"|"4513464"|"4631771"|"4765161"|"4843671"|"4991247"|"5171435"|"5301523"|"5325677"|"5507054"|"5647232"|"5829277"|"5913952"|"5937467"|"6220063").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/12/11 12:58
L6	1637	8/158.ccls. or 8/159.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/12/11 13:02

L7	4604	8/158.ccls. or 8/159.ccls. or 68/12.02.ccls. or 68/12.06.ccls. or 68/12.14.ccls. or 68/19.ccls. or 68/23r.ccls. or "68" "23".3.ccls. or 68/23.1.ccls. or 68/24.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/12/11 13:04
L8	6	l7 and brak$4 and (after with dewatering)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/12/11 13:11
L9	118	l7 and brak$4 and (separate)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/12/11 13:11
L10	4	l7 and brak$4 and (separate with drum with (laundry or load closes or articles))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/12/11 14:04
L11	96903	lg.as.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/12/11 14:04
L12	28045	l11 and kim.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/12/11 14:05
L13	57	l12 and dewatering	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/12/11 14:05
L14	7	l13 and dewatering.clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/12/11 14:07

L15	5	l11 and drum.clm. and dewatering.clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/12/11 14:08

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
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L2	0	("3514328"|"3695934"|"3839085"|"3848363"|"4080059"|"4175930"|"4392742"|"4402103"|"4684242"|"5044128"|"5074083"|"5433654"|"5612775"|"5795212"|"5813901"|"5931718"|"5957753"|"5971835"|"6171742"|"6206978"|"6221170"|"6302669"|"6348104"|"6398345"|"6663719")".PN"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/12/11 12:45
L3	0	("3514328"|"3695934"|"3839085"|"3848363"|"4080059"|"4175930"|"4392742"|"4402103"|"4684242"|"5044128"|"5074083"|"5433654"|"5612775"|"5795212"|"5813901"|"5931718"|"5957753"|"5971835"|"6171742"|"6206978"|"6221170"|"6302669"|"6348104"|"6398345"|"6663719")".PN."	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/12/11 12:45
L4	55	("3514328"|"3695934"|"3839085"|"3848363"|"4080059"|"4175930"|"4392742"|"4402103"|"4684242"|"5044128"|"5074083"|"5433654"|"5612775"|"5795212"|"5813901"|"5931718"|"5957753"|"5971835"|"6171742"|"6206978"|"6221170"|"6302669"|"6348104"|"6398345"|"6663719").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/12/11 12:46
L5	80	("2147420"|"2503438"|"2572265"|"2604771"|"2671331"|"2838954"|"3049025"|"3068966"|"3327507"|"3369663"|"3635318"|"4411664"|"4513464"|"4631771"|"4765161"|"4843671"|"4991247"|"5171435"|"5301523"|"5325677"|"5507054"|"5647232"|"5829277"|"5913952"|"5937467"|"6220063").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/12/11 12:58
L6	1637	8/158.ccls. or 8/159.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/12/11 13:02

L7	4604	8/158.ccls. or 8/159.ccls. or 68/12.02.ccls. or 68/12.06.ccls. or 68/12.14.ccls. or 68/19.ccls. or 68/23r.ccls. or "68" "23".3.ccls. or 68/23.1.ccls. or 68/24.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/12/11 13:04
L8	6	l7 and brak$4 and (after with dewatering)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/12/11 13:11
L9	118	l7 and brak$4 and (separate)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/12/11 13:11
L10	4	l7 and brak$4 and (separate with drum with (laundry or load closes or articles))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/12/11 13:12

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L9: Entry 1 of 1   File: DWPI   May 7, 2001

DERWENT-ACC-NO: 2001-577491
DERWENT-WEEK: 200165
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TITLE: Braking control method of washing machine

INVENTOR: LEE, C U; LEE, J H ; RA, I H ; YOON, S C

PATENT-ASSIGNEE:
ASSIGNEE   CODE
LG ELECTRONICS INC   GLDS

PRIORITY-DATA: 1999KR-0044379 (October 13, 1999)

▦ Search Selected ▦ | ▦ Search ALL ▦ | ▦ Clear ▦

PATENT-FAMILY:

	PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
☐	KR 2001037081 A	May 7, 2001		001	D06F033/02

APPLICATION-DATA:

PUB-NO	APPL-DATE	APPL-NO	DESCRIPTOR
KR2001037081A	October 13, 1999	1999KR-0044379	

INT-CL (IPC): D06 F 33/02

ABSTRACTED-PUB-NO: KR2001037081A
BASIC-ABSTRACT:

NOVELTY - A braking control method detects an unbalanced condition to compare with
the set standard value and switches from a normal braking mode to a sudden braking
mode according to the comparison result if an unbalanced phenomenon of a washing
tank shaking due to the unbalanced placement of laundry in the washing tank or the
other external factor on braking after the completion of dewatering to prevent or
minimize excessive noise generated on braking by continuous normal braking mode and
damage mechanical or of circuit in a system.

DETAILED DESCRIPTION - A braking control method comprises a step to executes normal
braking by a normal braking mode after the completion of dewatering in a washing
machine(301, 302), a step to detect the unbalanced condition of a washing tank
generated in the normal braking(303), a step to determine whether the detected
unbalanced condition exceeds set allowed range of unbalanced condition(304) and a
step to return to the step(302) if the detected unbalanced condition is within the
allowed unbalanced condition range and to switch the braking mode from the normal

braking mode to a sudden braking mode to execute braking if the detected unbalanced condition exceeds the allowed unbalanced condition range(305).

CHOSEN-DRAWING: Dwg.1/10

TITLE-TERMS: BRAKE CONTROL METHOD WASHING MACHINE

DERWENT-CLASS: X27

EPI-CODES: X27-D01A;